Application No. OH0144967

Issue Date:

Effective Date:

Expiration Date: 5 years

Ohio Environmental Protection Agency
Authorization to Discharge Under the
National Pollutant Discharge Elimination System

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as the "Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111),

PTTGC America LLC

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the PTTGCA Petrochemical Complex wastewater treatment works located at Old SR 7 & Ferry Landing Rd (Hwy 2), Shadyside, Ohio, Belmont County and discharging to the Ohio River and Big Run in accordance with the conditions specified in Parts I, II, III, IV, V and VI of this permit.

I have determined that a lowering of water quality in the Ohio River and Big Run is necessary. In accordance with OAC 3745-1-05, this decision was reached only after examining a series of technical alternatives, reviewing social and economic issues related to the degradation, and considering all public and appropriate intergovernmental comments. The lowering of water quality is necessary to accommodate important social or economic development in the area in which the water body is located.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.

_____
Craig W. Butler
Director

Total Pages: 60

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IF00018001. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 001 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00335 - Chemical Oxygen Demand (Low Level) - mg/l	-	-	-	-	-	-	-	When Disch.	Grab	Quarterly
01094 - Zinc, Total Recoverable - ug/l	-	-	-	-	-	-	-	When Disch.	Grab	Quarterly

Notes for Station Number 0IF00018001:

a. The benchmark concentrations and requirements of Parts IV and V of this permit apply to outfalls 0IF00018001, 0IF00018002 and 0IF00018003. Monitoring for these parameters shall occur at 0IF00018001, 0IF00018002 and 0IF00018003. eDMR reporting requirements for this outfall shall begin 90 days prior to start-up of the plant.

b. The benchmark concentrations listed below apply to these outfalls. The benchmark concentrations are not effluent limitations; a benchmark exceedance, therefore, is not a permit violation. Benchmark monitoring data are for your use to determine the overall effectiveness of your control measures and to assist you in knowing when additional corrective action(s) may be necessary to comply with the control measures/best management practices in Part IV, Items A-C. See Part V.B for the dates when the benchmark concentrations become applicable.

Parameter	Benchmark
COD	120 mg/l
Zinc	310 ug/L

c. Monitoring and sampling shall be performed as required in the above table and as stated in Part V.B. Sampling shall be performed when discharging. Quarterly sampling may be collected any time during the quarter (Q1=January - March, Q2=April - June, Q3=July - September, Q4=October - December). Discharge Monitoring Reports (DMRs) must be submitted monthly. If there are no discharges during the month, select the "No Discharge" check box on the eDMR.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

2. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IF00018002. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 002 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00335 - Chemical Oxygen Demand (Low Level) - mg/l	-	-	-	-	-	-	-	When Disch.	Grab	Quarterly
01094 - Zinc, Total Recoverable - ug/l	-	-	-	-	-	-	-	When Disch.	Grab	Quarterly

Notes for Station Number 0IF00018002:

a. The benchmark concentrations and requirements of Parts IV and V of this permit apply to outfalls 0IF00018001, 0IF00018002 and 0IF00018003. Monitoring for these parameters shall occur at 0IF00018001, 0IF00018002 and 0IF00018003. eDMR reporting requirements for this outfall shall begin 90 days prior to start-up of the plant.

b. The benchmark concentrations listed below apply to these outfalls. The benchmark concentrations are not effluent limitations; a benchmark exceedance, therefore, is not a permit violation. Benchmark monitoring data are for your use to determine the overall effectiveness of your control measures and to assist you in knowing when additional corrective action(s) may be necessary to comply with the control measures/best management practices in Part IV, Items A-C. See Part V.B for the dates when the benchmark concentrations become applicable.

Parameter	Benchmark
COD	120 mg/l
Zinc	310 ug/L

c. Monitoring and sampling shall be performed as required in the above table and as stated in Part V.B. Sampling shall be performed when discharging. Quarterly sampling may be collected any time during the quarter (Q1=January - March, Q2=April - June, Q3=July - September, Q4=October - December). Discharge Monitoring Reports (DMRs) must be submitted monthly. If there are no discharges during the month, select the "No Discharge" check box on the eDMR.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

3. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IF00018003. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 003 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00335 - Chemical Oxygen Demand (Low Level) - mg/l	-	-	-	-	-	-	-	When Disch.	Grab	Quarterly
01094 - Zinc, Total Recoverable - ug/l	-	-	-	-	-	-	-	When Disch.	Grab	Quarterly

Notes for Station Number 0IF00018003:

a. The benchmark concentrations and requirements of Parts IV and V of this permit apply to outfalls 0IF00018001, 0IF00018002 and 0IF00018003. Monitoring for these parameters shall occur at 0IF00018001, 0IF00018002 and 0IF00018003. eDMR reporting requirements for this outfall shall begin 90 days prior to start-up of the plant.

b. The benchmark concentrations listed below apply to these outfalls. The benchmark concentrations are not effluent limitations; a benchmark exceedance, therefore, is not a permit violation. Benchmark monitoring data are for your use to determine the overall effectiveness of your control measures and to assist you in knowing when additional corrective action(s) may be necessary to comply with the control measures/best management practices in Part IV, Items A-C. See Part V.B for the dates when the benchmark concentrations become applicable.

Parameter	Benchmark
COD	120 mg/l
Zinc	310 ug/L

c. Monitoring and sampling shall be performed as required in the above table and as stated in Part V.B. Sampling shall be performed when discharging. Quarterly sampling may be collected any time during the quarter (Q1=January - March, Q2=April - June, Q3=July - September, Q4=October - December). Discharge Monitoring Reports (DMRs) must be submitted monthly. If there are no discharges during the month, select the "No Discharge" check box on the eDMR.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

4. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IF00018004. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 004 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00010 - Water Temperature - C	-	-	-	-	-	-	-	1/Day	Maximum Indicating Thermometer	All
00400 - pH - S.U.	9.0	6.0	-	-	-	-	-	1/Week	Grab	All
00552 - Oil and Grease, Hexane Extr Method - mg/l	10	-	-	-	-	-	-	1/Week	Grab	All
00665 - Phosphorus, Total (P) - mg/l	1.6	-	-	1.0	33.9	-	21.2	1/Week	24hr Composite	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All
01094 - Zinc, Total Recoverable - ug/l	310	-	-	-	6.57	-	-	1/Week	24hr Composite	All
01104 - Aluminum, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Week	24hr Composite	All
01113 - Cadmium, Total Recoverable - ug/l	13	-	-	-	0.28	-	-	1/Week	24hr Composite	All
01119 - Copper, Total Recoverable - ug/l	37	-	-	-	0.78	-	-	1/Week	24hr Composite	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total	All
50060 - Chlorine, Total Residual - mg/l	0.038	-	-	-	-	-	-	1/Week	Grab	All
50092 - Mercury, Total (Low Level) - ng/l	1700	-	-	12	0.036	-	0.00025	1/Month	Grab	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	1.0	-	-	-	-	-	-	1/Quarter	24hr Composite	Quarterly
61427 - Acute Toxicity, Pimephales promelas - TUa	1.0	-	-	-	-	-	-	1/Quarter	24hr Composite	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Week	24hr Composite	All

Notes for Station Number 0IF00018004:

* Effluent loadings based on average design flow of 5.6 MGD.

Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, select the "No Discharge" check box on the data entry form and PIN the eDMR. eDMR reporting requirements for this outfall shall begin 90 days prior to start-up of the plant.

Residual Chlorine - see Part II, Item G.
Mercury - see Part II, Item K.
Acute Toxicity - see Part II, Item M.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

5. During the period beginning on the effective date of this permit and lasting the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IF00018601. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 601 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00310 - Biochemical Oxygen Demand, 5 Day - mg/l	43	-	-	16	105	-	39.2	1/Week	24hr Composite	All
00335 - Chemical Oxygen Demand (Low Level) - mg/l	160	-	-	100	392	-	245	1/Week	24hr Composite	All
00400 - pH - S.U.	9.0	6.0	-	-	-	-	-	1/Week	Grab	All
00530 - Total Suspended Solids - mg/l	80	-	-	25	195	-	60.3	1/Week	24hr Composite	All
00550 - Oil and Grease, Total - mg/l	20	-	-	15	49.1	-	36.8	1/Week	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All
00630 - Nitrite Plus Nitrate, Total - mg/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All
00665 - Phosphorus, Total (P) - mg/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All
32102 - Carbon Tetrachloride - ug/l	20	-	-	10	0.050	-	0.024	1/Quarter	Grab	Quarterly
32106 - Chloroform - ug/l	25	-	-	11	0.061	-	0.028	1/Quarter	Grab	Quarterly
34010 - Toluene - ug/l	43	-	-	14	0.105	-	0.034	1/Month	Grab	All
34030 - Benzene - ug/l	73	-	-	20	0.179	-	0.049	1/Month	Grab	All
34200 - Acenaphthylene - ug/l	32	-	-	12	0.078	-	0.029	1/Year	24hr Composite	Yearly
34205 - Acenaphthene - ug/l	32	-	-	12	0.078	-	0.029	1/Year	24hr Composite	Yearly
34215 - Acrylonitrile - ug/l	130	-	-	52	0.319	-	0.127	1/Year	Grab	Yearly
34220 - Anthracene, General Organic - ug/l	3.0	-	-	-	0.006	-	-	1/Year	24hr Composite	Yearly
34230 - 3,4-BenzoFluoranthene - ug/l	33	-	-	12	0.080	-	0.029	1/Year	24hr Composite	Yearly
34242 - Benzo(k)Fluoranthene - ug/l	32	-	-	12	0.078	-	0.029	1/Year	24hr Composite	Yearly

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
34247 - Benzo-A-Pyrene - ug/l	33	-	-	12	0.080	-	0.029	1/Year	24hr Composite	Yearly
34311 - Chloroethane - ug/l	114	-	-	56	0.353	-	0.137	1/Year	Grab	Yearly
34320 - Chrysene - ug/l	32	-	-	12	0.078	-	0.029	1/Year	24hr Composite	Yearly
34336 - Diethyl phthalate - ug/l	109	-	-	44	0.268	-	0.107	1/Year	24hr Composite	Yearly
34341 - Dimethyl phthalate - ug/l	25	-	-	10	0.062	-	0.025	1/Year	24hr Composite	Yearly
34371 - Ethylbenzene - ug/l	58	-	-	17	0.142	-	0.042	1/Month	Grab	All
34376 - Fluoranthene - ug/l	37	-	-	13	0.090	-	0.033	1/Year	24hr Composite	Yearly
34381 - Fluorene - ug/l	32	-	-	12	0.078	-	0.029	1/Year	24hr Composite	Yearly
34396 - Hexachloroethane - ug/l	29	-	-	11	0.071	-	0.028	1/Year	24hr Composite	Yearly
34418 - Methyl Chloride - ug/l	102	-	-	46	0.251	-	0.113	1/Quarter	Grab	Quarterly
34423 - Methylene Chloride - ug/l	48	-	-	21	0.117	-	0.053	1/Quarter	Grab	Quarterly
34447 - Nitrobenzene - ug/l	37	-	-	15	0.090	-	0.036	1/Year	24hr Composite	Yearly
34461 - Phenanthrene - ug/l	32	-	-	12	0.078	-	0.029	1/Year	24hr Composite	Yearly
34469 - Pyrene - ug/l	36	-	-	13	0.088	-	0.033	1/Year	24hr Composite	Yearly
34475 - Tetrachloroethylene - ug/l	30	-	-	12	0.074	-	0.029	1/Year	Grab	Yearly
34496 - 1,1-Dichloroethane - ug/l	32	-	-	12	0.078	-	0.029	1/Year	Grab	Yearly
34501 - 1,1-Dichloroethylene - ug/l	13	-	-	9	0.033	-	0.021	1/Year	Grab	Yearly
34506 - 1,1,1-Trichloroethane - ug/l	29	-	-	11	0.071	-	0.028	1/Year	Grab	Yearly
34511 - 1,1,2-Trichloroethane - ug/l	29	-	-	11	0.071	-	0.028	1/Year	Grab	Yearly
34526 - Benzo(A)Anthracene - ug/l	32	-	-	12	0.078	-	0.029	1/Year	24hr Composite	Yearly
34531 - 1,2-Dichloroethane - ug/l	113	-	-	37	0.278	-	0.090	1/Year	Grab	Yearly
34536 - 1,2-Dichlorobenzene - ug/l	88	-	-	41	0.215	-	0.102	1/Year	24hr Composite	Yearly
34541 - 1,2-Dichloropropane - ug/l	124	-	-	82	0.303	-	0.202	1/Year	Grab	Yearly
34546 - 1,2-trans-Dichloroethylene - ug/l	29	-	-	11	0.071	-	0.028	1/Year	Grab	Yearly
34551 - 1,2,4-Trichlorobenzene - ug/l	68	-	-	37	0.185	-	0.090	1/Year	24hr Composite	Yearly

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
34566 - 1,3-Dichlorobenzene - ug/l	24	-	-	17	0.058	-	0.041	1/Year	24hr Composite	Yearly
34571 - 1,4-Dichlorobenzene - ug/l	15	-	-	8	0.037	-	0.020	1/Year	24hr Composite	Yearly
34586 - 2-Chlorophenol - ug/l	53	-	-	17	0.129	-	0.041	1/Year	24hr Composite	Yearly
34591 - 2-Nitrophenol - ug/l	37	-	-	22	0.091	-	0.054	1/Year	24hr Composite	Yearly
34601 - 2,4-Dichlorophenol - ug/l	60	-	-	21	0.148	-	0.051	1/Year	24hr Composite	Yearly
34606 - 2,4-Dimethylphenol - ug/l	19	-	-	10	0.047	-	0.024	1/Year	24hr Composite	Yearly
34611 - 2,4-Dinitrotoluene - ug/l	153	-	-	61	0.376	-	0.149	1/Year	24hr Composite	Yearly
34616 - 2,4-Dinitrophenol - ug/l	66	-	-	38	0.162	-	0.094	1/Year	24hr Composite	Yearly
34626 - 2,6-Dinitrotoluene - ug/l	344	-	-	137	0.845	-	0.336	1/Year	24hr Composite	Yearly
34646 - 4-Nitrophenol - ug/l	67	-	-	39	0.164	-	0.095	1/Year	24hr Composite	Yearly
34657 - 4,6-Dinitro-o-cresol - ug/l	149	-	-	42	0.365	-	0.103	1/Year	24hr Composite	Yearly
34694 - Phenol - ug/l	14	-	-	8	0.034	-	0.020	1/Year	24hr Composite	Yearly
34696 - Naphthalene - ug/l	32	-	-	12	0.078	-	0.029	1/Year	24hr Composite	Yearly
39100 - Bis(2-ethylhexyl) Phthalate - ug/l	150	-	-	55	0.368	-	0.136	1/Year	24hr Composite	Yearly
39110 - Di-N-Butylphthalate - ug/l	31	-	-	15	0.075	-	0.036	1/Year	24hr Composite	Yearly
39175 - Vinyl Chloride - ug/l	144	-	-	56	0.353	-	0.137	1/Year	Grab	Yearly
39180 - Trichloroethylene - ug/l	29	-	-	11	0.071	-	0.028	1/Year	Grab	Yearly
39700 - Hexachlorobenzene - ug/l	15	-	-	0.06	0.037	-	0.00015	1/Year	24hr Composite	Yearly
39702 - Hexachlorobutadiene - ug/l	26	-	-	11	0.065	-	0.026	1/Year	24hr Composite	Yearly
40013 - Chlorobenzene - ug/l	15	-	-	8	0.037	-	0.020	1/Year	Grab	Yearly
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total	All
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Week	24hr Composite	All
77023 - Ethylene Glycol - ug/l	-	-	-	-	-	-	-	1/Month	Grab	All
77163 - 1,3-Dichloropropylene - ug/l	24	-	-	16	0.058	-	0.038	1/Year	Grab	Yearly
82388 - 1,4-Dioxane - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All

Notes for station 0IF00018601:

* Effluent loadings based on average design flow of 0.648 MGD.

Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, select the "No Discharge" check box on the data entry form and PIN the eDMR. eDMR reporting requirements for this outfall shall begin 90 days prior to start-up of the plant.

Ethylene Glycol and 1,4-dioxane - see Part II, Item K.
Organic Pollutant Test Methods - see Part II, Item K.
Hexachlorobenzene - see Part II, Item G.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

6. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IF00018602. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 602 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00400 - pH - S.U.	9.0	6.0	-	-	-	-	-	1/Week	Grab	All
00530 - Total Suspended Solids - mg/l	-	-	18	12	-	1.5	1.0	1/Week	24hr Composite	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	4.5	3.0	-	0.36	0.24	1/Week	24hr Composite	Winter
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	1.5	1.0	-	0.12	0.083	1/Week	24hr Composite	Summer
00630 - Nitrite Plus Nitrate, Total - mg/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All
00665 - Phosphorus, Total (P) - mg/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All
31648 - E. coli - #/100 ml	-	-	284	126	-	-	-	1/Week	Grab	Summer
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total	All
50060 - Chlorine, Total Residual - mg/l	0.038	-	-	-	-	-	-	1/Week	Grab	All
80082 - CBOD 5 day - mg/l	-	-	15	10	-	1.24	0.83	1/Week	24hr Composite	All

Notes for station 0IF00018602:

* Effluent loadings based on average design flow of 0.0144 MGD.

Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, select the "No Discharge" check box on the data entry form and PIN the eDMR. eDMR reporting requirements for this outfall shall begin 90 days prior to start-up of the plant.

Part I, B. - INFLUENT MONITORING REQUIREMENTS

1. Influent Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the treatment works' influent wastewater at Station Number 0IF00018600, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of influent sampling.

Table - Influent Monitoring - 600 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
01034 - Chromium, Total (Cr) - ug/l	10	-	-	-	-	-	-	When Disch.	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	When Disch.	24hr Total	All

NOTES for Station Number 0IF00018600:

The permittee shall monitor daily flows of chromium catalyst wastewater discharged to biological treatment. Samples shall be collected before discharge to the biological treatment system (Outfall 0IF00018601).

See Part II, Item H. for best management practices related to the treatment and disposal of this wastewater.

Part I, B. - INFLUENT MONITORING REQUIREMENTS

2. Influent Monitoring. During the period beginning on the effective data of this permit and lasting until the expiration date , the permittee shall monitor the treatment works' influent wastewater at Station Number 0IF00018611, and report to the Ohio EPA in accordance with the following table. Samples of influent used for determination of net values or percent removal must be taken the same day as those samples of effluent used for that determination. See Part II, OTHER REQUIREMENTS, for location of influent sampling.

Table - Influent Monitoring - 611 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
50050 - Flow Rate - MGD	0.3	-	-	-	-	-	-	When Disch.	24hr Total	All

NOTES for Station Number 0IF00018611:

Flows at this station shall be monitored daily when discharging.

The flow volume at Station 0IF00018611 must be less than 45% of the flow volume at Station 0IF00018601 at all times.

Part II, OTHER REQUIREMENTS

A. WASTEWATER OPERATOR CERTIFICATION

The wastewater treatment works must be under supervision of a Class A State certified operator as required by rule 3745-7- 02 of the Ohio Administrative Code.

B. SAMPLING STATION DESCRIPTIONS

Description of the location of the required sampling stations are as follows:

Sampling Station	Description of Location
0IF00018001	Storm water discharge to Big Run. (Lat: 39 N 55 ' 21.15 "; Long: 80 W 47 ' 8.61 ")
0IF00018002	Storm water discharge to the Ohio River. (Lat: 39 N 54 ' 50.11 "; Long: 80 W 47 ' 38.46 ")
0IF00018003	Storm water discharge to the Ohio River. (Lat: 39 N 54 ' 40.93 "; Long: 80 W 46 ' 22.54 ")
0IF00018004	Discharge of process water (0IF00018601), sanitary wastewater (0IF00018602), cooling tower blowdown, reverse osmosis reject water and condensate polishing plant wastewater to the Ohio River. (Lat: 39 N 54 ' 30.90 "; Long: 80 W 45 ' 38.00 ")
0IF00018600	Chromium catalyst wastewater discharged to the process wastewater treatment system.
0IF00018601	Discharge of treated process wastewaters prior to combining with other waste streams.
0IF00018602	Discharge of treated sanitary wastewater prior to combining with other waste streams.
0IF00018611	Discharge of cooling tower blowdown to the process wastewater treatment system.

C. TREATMENT TECHNOLOGY-BASED LIMITS REOPENER CLAUSE

This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved.

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
2. Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

D. COOLING/BOILER WATER ADDITIVE CHEMICALS

In the event that the permittee's operation requires the use of cooling or boiler water treatment additives that are discharged to surface waters of the state, written permission must be obtained from the director of the Ohio EPA prior to use. Discharges of these additives must meet Ohio Water Quality Standards and shall not be harmful or inimical to aquatic life. Reporting and testing requirements to apply for permission to use additives can be obtained from the Ohio EPA, Central Office, Division of Surface Water, Industrial Permits Unit. This information is also available on the DSW website:

http://www.epa.ohio.gov/dsw/policy/policy.aspx

E. Composite samples shall be comprised of a series of grab samples collected over a 24-hour period and proportionate in volume to the wastewater flow rate at the time of sampling. Such samples shall be collected at such times and locations, and in such a fashion, as to be representative of the facility's overall performance.

F. Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's performance.

G. WATER QUALITY-BASED LIMITS BELOW QUANTIFICATION LEVELS

The parameters below have had effluent limitations established that are below the Ohio EPA Quantification Level (OEPA QL) for the approved analytical procedure promulgated at 40 CFR 136. OEPA QLs may be expressed as Practical Quantification Levels (PQL) or Minimum Levels (ML).

Compliance with an effluent limit that is below the OEPA QL is determined in accordance with ORC Section 6111.13 and OAC Rule 3745-33-07(C). For maximum effluent limits, any value reported below the OEPA QL shall be considered in compliance with the effluent limit. For average effluent limits, compliance shall be determined by taking the arithmetic mean of values reported for a specified averaging period, using zero (0) for any value reported at a concentration less than the OEPA QL, and comparing that mean to the appropriate average effluent limit. An arithmetic mean that is less than or equal to the average effluent limit shall be considered in compliance with that limit.

The permittee must utilize the lowest available detection method currently approved under 40 CFR Part 136 for monitoring these parameters.

REPORTING:

All analytical results, even those below the OEPA QL (listed below), shall be reported. Analytical results are to be reported as follows:

1.Results above the QL: Report the analytical result for the parameter of concern.

2.Results above the MDL, but below the QL: Report the analytical result, even though it is below the QL.

3.Results below the MDL: Analytical results below the method detection limit shall be reported as "below detection" using the reporting code "AA".

The following table of quantification levels will be used to determine compliance with NPDES permit limits:

.	Parameter	PQL
Outfall 0IF00018004:		
.	Chlorine, tot. res.	0.050 mg/l
Outfall 0IF00018601:		
.	Hexachlorobenzene	0.25 ug/l

This permit may be modified, or, alternatively, revoked and reissued, to include more stringent effluent limits or conditions if information generated as a result of the conditions of this permit indicate the presence of these pollutants in the discharge at levels above the water quality based effluent limit (WQBEL).

H. BEST MANAGEMENT PRACTICES FOR CHROMIUM CATALYST WASTEWATER

The permittee shall collect samples for chromium at Station 0IF00018600 on any day that chromium catalyst wastewater is removed from chromium-bearing processes. These wastewaters may be discharged to the plant's process wastewater biological treatment system (Outfall 0IF00018601) if chromium concentrations in the catalyst wastewater are less than or equal to concentrations indicated in Part I. A.

If chromium catalyst wastewaters contain chromium concentrations greater than those permitted for discharge at Outfall 0IF00018600, those wastewaters may not be discharged under this permit and must be disposed of using Ohio EPA-approved procedures.

I. WATER QUALITY-BASED LIMITS REOPENER CLAUSE

Water quality based permit limitations in this permit may be revised based on updated wasteload allocations or use designation rules. This permit may be modified, or revoked and reissued, to include new water quality based effluent limits or other conditions that are necessary to comply with a revised wasteload allocation, or an approved total maximum daily loads (TMDL) report as required under Section 303 (d) of the Clean Water Act.

J. SLUDGE DISPOSAL

Not later than January 31 of each calendar year, the permittee shall submit two (2) copies of a report summarizing the sludge disposal and/or reuse activities of the facility during the previous year. One copy of the report shall be sent to the Ohio EPA, Division of Surface Water, Central Office, and one copy of the report shall be sent to the appropriate Ohio EPA District Office. This report shall address:

1)Amount of sludge disposed of/reused in dry tons.

2)Method(s) of disposal/reuse.

3)Summary of all analyses made on the sludge, including any priority pollutant scans that may have been performed. (If a priority pollutant scan has been conducted as a part of the pretreatment program, the most recent analysis should be submitted.)

4)Problems encountered including any complaints received. The cause or reason for the problem and corrective actions taken to solve the problem should also be included. Any incidents of interference with the method of sludge disposal shall be identified, along with the cause of interference (i.e., excessive metals concentration, contaminated sludge, etc.) and the corrective actions taken.

K. ANALYTICAL METHODS

1. The permittee shall use either EPA Method 1631 or EPA Method 245.7 promulgated under 40 CFR 136 to comply with the effluent mercury monitoring requirements of this permit.

2. The permittee shall use EPA-approved tests methods for the organic chemical parameters required to be monitored at Outfall 0IF00018601 that are capable of quantifying data for all parameters at the limits for this outfall.

3. It is understood by Ohio EPA that at the time permit 0IF00018*AD becomes effective, analytical methods are not approved under 40 CFR 136 to comply with the ethylene glycol and 1,4-dioxane monitoring requirements included in the permit. The permittee shall utilize USEPA Method 8015 from SW-846 for analyzing ethylene glycol. The permittee shall utilize USEPA Method 624 or 1624 for analyzing 1,4-dioxane.

L. OUTFALL SIGNAGE

Prior to any discharges, the permittee shall post a permanent marker on the stream bank at each outfall that is regulated under this NPDES permit and discharges to the Ohio River. This includes final outfalls, bypasses, and combined sewer overflows. The marker shall consist at a minimum of the name of the establishment to which the permit was issued, the Ohio EPA permit number, and the outfall number and a contact telephone number. The information shall be printed in letters not less than two inches in height. The marker shall be a minimum of 2 feet by 2 feet and shall be a minimum of 3 feet above ground level. The sign shall be not be obstructed such that persons in boats or persons swimming on the river or someone fishing or walking along the shore cannot read the sign. Vegetation shall be periodically removed to keep the sign visible. If the outfall is normally submerged the sign shall indicate that.

M. BIOMONITORING REQUIREMENTS

As soon as possible but not later than three months after commencing discharge, the permittee shall initiate an effluent biomonitoring program to determine the toxicity of the effluent from outfall 0IF00018004.

General Requirements

All toxicity testing conducted as required by this permit shall be done in accordance with "Reporting and Testing Guidance for Biomonitoring Required by the Ohio Environmental Protection Agency" (hereinafter, the "biomonitoring guidance"), Ohio EPA, July 1998 (or current revision). The Standard Operating Procedures (SOP) or verification of SOP submittal, as described in Section 1.B. of the biomonitoring guidance shall be submitted no later than three months after the effective date of this permit. If the laboratory performing the testing has modified its protocols, a new SOP is required.

Testing Requirements

1. Acute Bioassays

The permittee shall conduct quarterly acute toxicity tests using Ceriodaphnia dubia and fathead minnows (Pimephales promelas) on effluent samples from outfall 0IF00018004. These tests shall be conducted as specified in Section 2 of the biomonitoring guidance.

2. Data Review

a. Reporting

Following completion of each toxicity test, the permittee shall report results of the tests in accordance with Sections 2.H.1., and 2.H.2.a. of the biomonitoring guidance, including reporting the results on the monthly DMR and submitting a copy of the complete test report to Ohio EPA, Division of Surface Water, NPDES Permit Unit, P.O. Box 1049, Columbus, OH, 43216-1049.

Based on Ohio EPA's evaluation of the results, this permit may be modified to require additional biomonitoring, require a toxicity reduction evaluation, and/or contain whole effluent toxicity limits.

b. Definitions

TUa = Acute Toxicity Units = 100/LC50

N. INTAKE STRUCTURE CONSTRUCTION AND APPROVAL

This permit does not authorize the construction or operation of an intake structure. To obtain this authorization, the permittee must demonstrate that the intake design and proposed operation meets Best Technology Available requirements using the information required by paragraph O. below. When the permittee submits a permit-to-install for construction of the intake structure, the permittee shall also submit an NPDES modification application requesting an Ohio EPA determination of BTA.

O. INTAKE INFORMATION TO BE SUBMITTED WITH A PERMIT-TO-INSTALL FOR CONSTRUCTION OF THE INTAKE

1. Design and Construction Technology Plan. To comply with 40 CFR 125.84(b)(4) and (5), the permittee shall submit the following information in a Design and Construction Technology Plan:

a. Information to demonstrate whether or not the criteria in §125.84(b)(4) and (b)(5) is met;

b. Delineation of the hydraulic zone of influence for the cooling water intake structure;

c. The owner or operator of a new facility required to install design and construction technologies and/or operational measures must develop a plan which explains the technologies and measures selected; this plan shall be based on information collected for the Source Water Biological Baseline Characterization required by 40 CFR 122.21(r)(4). Examples of appropriate technologies include, but are not limited to, wedgewire screens, fine mesh screens, fish handling and return systems, barrier nets, aquatic filter barrier systems, etc. Examples of appropriate operational measures include, but are not limited to, seasonal shutdowns or reductions in flow, and continuous operations of screens, etc. The plan must contain the following information:

i. A narrative description of the design and operation of the design and construction technologies, including fish-handling and return systems, that you will use to maximize the survival of those species expected to be most susceptible to impingement. Provide species-specific information that demonstrates the efficacy of the technology;

ii. A narrative description of the design and operation of the design and construction technologies that you will use to minimize entrainment of those species expected to be the most susceptible to entrainment. Provide species-specific information that demonstrates the efficacy of the technology; and

iii. Design calculations, drawings, and estimates to support the descriptions provided in Part II.O.1.c.i. and ii. above.

2. Source Water Data: The permittee shall submit the following source water physical data as required under 40 CFR 122.21(r)(2):

a. A narrative description and scaled drawings showing the physical configuration of all source water bodies used by your facility, including areal dimensions, depths, salinity and temperature regimes, and other documentation that supports your determination of the water body type where each cooling water intake structure is located;

b. Identification and characterization of the source waterbody's hydrological and geomorphological features, as well as the methods you used to conduct any physical studies to determine your intake's area of influence within the waterbody and the results of such studies; and

c. Locational maps

3. Cooling water intake structure data. The permittee shall submit the following cooling water intake structure data as required under 40 CFR 122.21 (r)(3):

a. A narrative description of the configuration of each of your cooling water intake structures and where it is located in the water body and in the water column;

b. Latitude and longitude in degrees, minutes, and seconds for each of your cooling water intake structures;

c. A narrative description of the operation of each of your cooling water intake structures, including design intake flows, daily hours of operation, number of days of the year in operation and seasonal changes, if applicable;

d. A flow distribution and water balance diagram that includes all sources of water to the facility, recirculating flows, and discharges; and

e. Engineering drawings of the cooling water intake structure.

4. Source water baseline biological characterization data. The permittee shall submit the following baseline biological characterization data as required under 40 CFR 122.21 (r)(4):

a. A list of the data in paragraphs Part II.O.h.ii through Part II.O.h.vi of this section that are not available and efforts made to identify sources of the data;

b. A list of species (or relevant taxa) for all life stages and their relative abundance in the vicinity of the cooling water intake structure;

c. Identification of the species and life stages that would be most susceptible to impingement and entrainment. Species evaluated should include the forage base as well as those most important in terms of significance to commercial and recreational fisheries;

d. Identification and evaluation of the primary period of reproduction, larval recruitment, and period of peak abundance for relevant taxa;

e. Data representative of the seasonal and daily activities (e.g., feeding and water column migration) of biological organisms in the vicinity of the cooling water intake structure;

f. Identification of all threatened, endangered, and other protected species that might be susceptible to impingement and entrainment at your cooling water intake structures; and

g. Documentation of any public participation or consultation with Federal or State agencies undertaken in development of the plan.

P. INTAKE STRUCTURE INFORMATION TO BE SUBMITTED WITH THE NEXT NPDES APPLICATION

1. The permittee shall submit the following information required by federal 316(b) regulations no later than the NPDES permit renewal application due date. The information shall be submitted to the Ohio EPA Southeast District Office and will be evaluated to determine compliance with Section 316(b) of the federal Clean Water Act (33 U.S.C. section 1326). The specific requirements are listed under the Code of Federal Regulations (CFR), Chapter 40, Part 125, Subpart I- Requirements Applicable to Cooling Water Intake Structures for New Facilities Under Section 316(b) of the Clean Water Act:

a. Flow Reduction Information. The permittee shall submit the following information in accordance with 40 CFR §125.84(b)(1) to demonstrate that flow has been reduced to a level commensurate with that which can be attained by a closed-cycle recirculating cooling water system:

i. A narrative description the system that has been designed to reduce intake flow to a level commensurate with that which can be attained by a closed-cycle recirculating cooling water system and any engineering calculations, including documentation demonstrating that make-up and blowdown flows have been minimized; and

ii. If the flow reduction requirement is met entirely, or in part, by reusing or recycling water withdrawn for cooling purposes in subsequent industrial processes, you must provide documentation that the amount of cooling water that is not reused or recycled has been minimized.

b. Velocity Information. The permittee shall submit the following information to demonstrate compliance with the requirement to meet a maximum through-screen design intake velocity of no more than 0.5 ft/s at each cooling water intake structure as required in 40 CFR 125.84(b)(2):

i. A narrative description of the design, structure, equipment, and operation used to meet the velocity requirement; and

ii. Design calculations showing that the velocity requirement will be met at minimum ambient source water surface elevations (based on best professional judgement using available hydrological data) and maximum head loss across the screens or other device.

c. Source Waterbody Flow Information. The permittee shall submit the receiving stream's annual mean flow and any supporting documentation and engineering calculations to demonstrate that the total design intake flow is no greater than five percent of the source water annual mean flow in accordance with 40 CFR 125.84(b)(3).

PART III - GENERAL CONDITIONS

1. DEFINITIONS

"Daily discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

"Average weekly" discharge limitation means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week. Each of the following 7-day periods is defined as a calendar week: Week 1 is Days 1 - 7 of the month; Week 2 is Days 8 - 14; Week 3 is Days 15 - 21; and Week 4 is Days 22 - 28. If the "daily discharge" on days 29, 30 or 31 exceeds the "average weekly" discharge limitation, Ohio EPA may elect to evaluate the last 7 days of the month as Week 4 instead of Days 22 - 28. Compliance with fecal coliform bacteria or E coli bacteria limitations shall be determined using the geometric mean.

"Average monthly" discharge limitation means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month. Compliance with fecal coliform bacteria or E coli bacteria limitations shall be determined using the geometric mean.

"85 percent removal" means the arithmetic mean of the values for effluent samples collected in a period of 30 consecutive days shall not exceed 15 percent of the arithmetic mean of the values for influent samples collected at approximately the same times during the same period.

"Absolute Limitations" Compliance with limitations having descriptions of "shall not be less than," "nor greater than," "shall not exceed," "minimum," or "maximum" shall be determined from any single value for effluent samples and/or measurements collected.

"Net concentration" shall mean the difference between the concentration of a given substance in a sample taken of the discharge and the concentration of the same substances in a sample taken at the intake which supplies water to the given process. For the purpose of this definition, samples that are taken to determine the net concentration shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"Net Load" shall mean the difference between the load of a given substance as calculated from a sample taken of the discharge and the load of the same substance in a sample taken at the intake which supplies water to given process. For purposes of this definition, samples that are taken to determine the net loading shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"MGD" means million gallons per day.

"mg/l" means milligrams per liter.

"ug/l" means micrograms per liter.

"ng/l" means nanograms per liter.

"S.U." means standard pH unit.

"kg/day" means kilograms per day.

"Reporting Code" is a five digit number used by the Ohio EPA in processing reported data. The reporting code does not imply the type of analysis used nor the sampling techniques employed.

"Quarterly (1/Quarter) sampling frequency" means the sampling shall be done in the months of March, June, August, and December, unless specifically identified otherwise in the Effluent Limitations and Monitoring Requirements table.

"Yearly (1/Year) sampling frequency" means the sampling shall be done in the month of September, unless specifically identified otherwise in the effluent limitations and monitoring requirements table.

"Semi-annual (2/Year) sampling frequency" means the sampling shall be done during the months of June and December, unless specifically identified otherwise.

"Winter" shall be considered to be the period from November 1 through April 30.

"Bypass" means the intentional diversion of waste streams from any portion of the treatment facility.

"Summer" shall be considered to be the period from May 1 through October 31.

"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

"Sewage sludge" means a solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in a treatment works as defined in section 6111.01 of the Revised Code. "Sewage sludge" includes, but is not limited to, scum or solids removed in primary, secondary, or advanced wastewater treatment processes. "Sewage sludge" does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator, grit and screenings generated during preliminary treatment of domestic sewage in a treatment works, animal manure, residue generated during treatment of animal manure, or domestic septage.

"Sewage sludge weight" means the weight of sewage sludge, in dry U.S. tons, including admixtures such as liming materials or bulking agents. Monitoring frequencies for sewage sludge parameters are based on the reported sludge weight generated in a calendar year (use the most recent calendar year data when the NPDES permit is up for renewal).

"Sewage sludge fee weight" means the weight of sewage sludge, in dry U.S. tons, excluding admixtures such as liming materials or bulking agents. Annual sewage sludge fees, as per section 3745.11(Y) of the Ohio Revised Code, are based on the reported sludge fee weight for the most recent calendar year.

2. GENERAL EFFLUENT LIMITATIONS

The effluent shall, at all times, be free of substances:

A. In amounts that will settle to form putrescent, or otherwise objectionable, sludge deposits; or that will adversely affect aquatic life or water fowl;

B. Of an oily, greasy, or surface-active nature, and of other floating debris, in amounts that will form noticeable accumulations of scum, foam or sheen;

C. In amounts that will alter the natural color or odor of the receiving water to such degree as to create a nuisance;

D. In amounts that either singly or in combination with other substances are toxic to human, animal, or aquatic life;

E. In amounts that are conducive to the growth of aquatic weeds or algae to the extent that such growths become inimical to more desirable forms of aquatic life, or create conditions that are unsightly, or constitute a nuisance in any other fashion;

F. In amounts that will impair designated instream or downstream water uses.

3. FACILITY OPERATION AND QUALITY CONTROL

All wastewater treatment works shall be operated in a manner consistent with the following:

A. At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with conditions of the permit.

B. The permittee shall effectively monitor the operation and efficiency of treatment and control facilities and the quantity and quality of the treated discharge.

C. Maintenance of wastewater treatment works that results in degradation of effluent quality shall be scheduled during non-critical water quality periods and shall be carried out in a manner approved by Ohio EPA as specified in the Paragraph in the PART III entitled, "UNAUTHORIZED DISCHARGES".

4. REPORTING

A. Monitoring data required by this permit shall be submitted monthly on Ohio EPA 4500 Discharge Monitoring Report (DMR) forms using the electronic DMR (e-DMR) internet application. e-DMR allows permitted facilities to enter, sign, and submit DMRs on the internet. e-DMR information is found on the following web page:

http://www.epa.ohio.gov/dsw/edmr/eDMR.aspx

Alternatively, if you are unable to use e-DMR due to a demonstrated hardship, monitoring data may be submitted on paper DMR forms provided by Ohio EPA. Monitoring data shall be typed on the forms. Please contact Ohio EPA, Division of Surface Water at (614) 644-2050 if you wish to receive paper DMR forms.

B. DMRs shall be signed by a facility's Responsible Official or a Delegated Responsible Official (i.e. a person delegated by the Responsible Official). The Responsible Official of a facility is defined as:

1. For corporations - a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation; or the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

2. For partnerships - a general partner;

3. For a sole proprietorship - the proprietor; or,

4. For a municipality, state or other public facility - a principal executive officer, a ranking elected official or other duly authorized employee.

For e-DMR, the person signing and submitting the DMR will need to obtain an eBusiness Center account and Personal Identification Number (PIN). Additionally, Delegated Responsible Officials must be delegated by the Responsible Official, either on-line using the eBusiness Center's delegation function, or on a paper delegation form provided by Ohio EPA. For more information on the PIN and delegation processes, please view the following web page:

http://epa.ohio.gov/dsw/edmr/eDMR.aspx

C. DMRs submitted using e-DMR shall be submitted to Ohio EPA by the 20th day of the month following the month-of-interest. DMRs submitted on paper must include the original signed DMR form and shall be mailed to Ohio EPA at the following address so that they are received no later than the 15th day of the month following the month-of-interest:

Ohio Environmental Protection Agency
Lazarus Government Center
Division of Surface Water - PCU
P.O. Box 1049
Columbus, Ohio 43216-1049

D. Regardless of the submission method, a paper copy of the submitted Ohio EPA 4500 DMR shall be maintained onsite for records retention purposes (see Section 7. RECORDS RETENTION). For e-DMR users, view and print the DMR from the Submission Report Information page after each original or revised DMR is submitted. For submittals on paper, make a copy of the completed paper form after it is signed by a Responsible Official or a Delegated Responsible Official.

E. If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified in Section 5. SAMPLING AND ANALYTICAL METHODS, the results of such monitoring shall be included in the calculation and reporting of the values required in the reports specified above.

F. Analyses of pollutants not required by this permit, except as noted in the preceding paragraph, shall not be reported to the Ohio EPA, but records shall be retained as specified in Section 7. RECORDS RETENTION.

5. SAMPLING AND ANALYTICAL METHOD

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored flow. Test procedures for the analysis of pollutants shall conform to regulation 40 CFR 136, "Test Procedures For The Analysis of Pollutants" unless other test procedures have been specified in this permit. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to insure accuracy of measurements.

6. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

A. The exact place and date of sampling; (time of sampling not required on EPA 4500)

B. The person(s) who performed the sampling or measurements;

C. The date the analyses were performed on those samples;

D. The person(s) who performed the analyses;

E. The analytical techniques or methods used; and

F. The results of all analyses and measurements.

7. RECORDS RETENTION

The permittee shall retain all of the following records for the wastewater treatment works for a minimum of three years except those records that pertain to sewage sludge disposal, use, storage, or treatment, which shall be kept for a minimum of five years, including:

A. All sampling and analytical records (including internal sampling data not reported);

B. All original recordings for any continuous monitoring instrumentation;

C. All instrumentation, calibration and maintenance records;

D. All plant operation and maintenance records;

E. All reports required by this permit; and

F. Records of all data used to complete the application for this permit for a period of at least three years, or five years for sewage sludge, from the date of the sample, measurement, report, or application.

These periods will be extended during the course of any unresolved litigation, or when requested by the Regional Administrator or the Ohio EPA. The three year period, or five year period for sewage sludge, for retention of records shall start from the date of sample, measurement, report, or application.

8. AVAILABILITY OF REPORTS

Except for data determined by the Ohio EPA to be entitled to confidential status, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate district offices of the Ohio EPA. Both the Clean Water Act and Section 6111.05 Ohio Revised Code state that effluent data and receiving water quality data shall not be considered confidential.

9. DUTY TO PROVIDE INFORMATION

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

10. RIGHT OF ENTRY

The permittee shall allow the Director or an authorized representative upon presentation of credentials and other documents as may be required by law to:

A. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.

B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.

C. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.

D. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

11. UNAUTHORIZED DISCHARGES

A. Bypass Not Exceeding Limitations - The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs 11.B and 11.C.

B. Notice

1. Anticipated Bypass - If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

2. Unanticipated Bypass - The permittee shall submit notice of an unanticipated bypass as required in paragraph 12.B (24 hour notice).

C. Prohibition of Bypass

1. Bypass is prohibited, and the Director may take enforcement action against a permittee for bypass, unless:

a. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

b. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

c. The permittee submitted notices as required under paragraph 11.B.

2. The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed above in paragraph 11.C.1.

12. NONCOMPLIANCE NOTIFICATION

A. Exceedance of a Daily Maximum Discharge Limit

1. The permittee shall report noncompliance that is the result of any violation of a daily maximum discharge limit for any of the pollutants listed by the Director in the permit by e-mail or telephone within twenty-four (24) hours of discovery.

The permittee may report to the appropriate Ohio EPA district office e-mail account as follows (this method is preferred):

Southeast District Office: sedo24hournpdes@epa.state.oh.us
Southwest District Office: swdo24hournpdes@epa.state.oh.us
Northwest District Office: nwdo24hournpdes@epa.state.oh.us
Northeast District Office: nedo24hournpdes@epa.state.oh.us
Central District Office: cdo24hournpdes@epa.state.oh.us
Central Office: co24hournpdes@epa.state.oh.us

The permittee shall attach a noncompliance report to the e-mail. A noncompliance report form is available on the following web site under the Monitoring and Reporting - Non-Compliance Notification section:

http://epa.ohio.gov/dsw/permits/individuals.aspx

Or, the permittee may report to the appropriate Ohio EPA district office by telephone toll-free between 8:00 AM and 5:00 PM as follows:

Southeast District Office: (800) 686-7330
Southwest District Office: (800) 686-8930
Northwest District Office: (800) 686-6930
Northeast District Office: (800) 686-6330
Central District Office: (800) 686-2330
Central Office: (614) 644-2001

The permittee shall include the following information in the telephone noncompliance report:

a. The name of the permittee, and a contact name and telephone number;

b. The limit(s) that has been exceeded;

c. The extent of the exceedance(s);

d. The cause of the exceedance(s);

e. The period of the exceedance(s) including exact dates and times;

f. If uncorrected, the anticipated time the exceedance(s) is expected to continue; and,

g. Steps taken to reduce, eliminate or prevent occurrence of the exceedance(s).

B. Other Permit Violations

1. The permittee shall report noncompliance that is the result of any unanticipated bypass resulting in an exceedance of any effluent limit in the permit or any upset resulting in an exceedance of any effluent limit in the permit by e-mail or telephone within twenty-four (24) hours of discovery.

The permittee may report to the appropriate Ohio EPA district office e-mail account as follows (this method is preferred):

Southeast District Office: sedo24hournpdes@epa.state.oh.us
Southwest District Office: swdo24hournpdes@epa.state.oh.us
Northwest District Office: nwdo24hournpdes@epa.state.oh.us
Northeast District Office: nedo24hournpdes@epa.state.oh.us
Central District Office: cdo24hournpdes@epa.state.oh.us
Central Office: co24hournpdes@epa.state.oh.us

The permittee shall attach a noncompliance report to the e-mail. A noncompliance report form is available on the following web site:

http://www.epa.ohio.gov/dsw/permits/permits.aspx

Or, the permittee may report to the appropriate Ohio EPA district office by telephone toll-free between 8:00 AM and 5:00 PM as follows:

Southeast District Office: (800) 686-7330
Southwest District Office: (800) 686-8930
Northwest District Office: (800) 686-6930
Northeast District Office: (800) 686-6330
Central District Office: (800) 686-2330
Central Office: (614) 644-2001

The permittee shall include the following information in the telephone noncompliance report:

a. The name of the permittee, and a contact name and telephone number;

b. The time(s) at which the discharge occurred, and was discovered;

c. The approximate amount and the characteristics of the discharge;

d. The stream(s) affected by the discharge;

e. The circumstances which created the discharge;

f. The name and telephone number of the person(s) who have knowledge of these circumstances;

g. What remedial steps are being taken; and,

h. The name and telephone number of the person(s) responsible for such remedial steps.

2. The permittee shall report noncompliance that is the result of any spill or discharge which may endanger human health or the environment within thirty (30) minutes of discovery by calling the 24-Hour Emergency Hotline toll-free at (800) 282-9378. The permittee shall also report the spill or discharge by e-mail or telephone within twenty-four (24) hours of discovery in accordance with B.1 above.

C. When the telephone option is used for the noncompliance reports required by A and B, the permittee shall submit to the appropriate Ohio EPA district office a confirmation letter and a completed noncompliance report within five (5) days of the discovery of the noncompliance. This follow up report is not necessary for the e-mail option which already includes a completed noncompliance report.

D. If the permittee is unable to meet any date for achieving an event, as specified in a schedule of compliance in their permit, the permittee shall submit a written report to the appropriate Ohio EPA district office within fourteen (14) days of becoming aware of such a situation. The report shall include the following:

1. The compliance event which has been or will be violated;

2. The cause of the violation;

3. The remedial action being taken;

4. The probable date by which compliance will occur; and,

5. The probability of complying with subsequent and final events as scheduled.

E. The permittee shall report all other instances of permit noncompliance not reported under paragraphs A or B of this section on their monthly DMR submission. The DMR shall contain comments that include the information listed in paragraphs A or B as appropriate.

F. If the permittee becomes aware that it failed to submit an application, or submitted incorrect information in an application or in any report to the director, it shall promptly submit such facts or information.

13. RESERVED

14. DUTY TO MITIGATE

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

15. AUTHORIZED DISCHARGES

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than, or at a level in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit. Such violations may result in the imposition of civil and/or criminal penalties as provided for in Section 309 of the Act and Ohio Revised Code Sections 6111.09 and 6111.99.

16. DISCHARGE CHANGES

The following changes must be reported to the appropriate Ohio EPA district office as soon as practicable:

A. For all treatment works, any significant change in character of the discharge which the permittee knows or has reason to believe has occurred or will occur which would constitute cause for modification or revocation and reissuance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. Notification of permit changes or anticipated noncompliance does not stay any permit condition.

B. For publicly owned treatment works:

1. Any proposed plant modification, addition, and/or expansion that will change the capacity or efficiency of the plant;

2. The addition of any new significant industrial discharge; and

3. Changes in the quantity or quality of the wastes from existing tributary industrial discharges which will result in significant new or increased discharges of pollutants.

C. For non-publicly owned treatment works, any proposed facility expansions, production increases, or process modifications, which will result in new, different, or increased discharges of pollutants.

Following this notice, modifications to the permit may be made to reflect any necessary changes in permit conditions, including any necessary effluent limitations for any pollutants not identified and limited herein. A determination will also be made as to whether a National Environmental Policy Act (NEPA) review will be required. Sections 6111.44 and 6111.45, Ohio Revised Code, require that plans for treatment works or improvements to such works be approved by the Director of the Ohio EPA prior to initiation of construction.

D. In addition to the reporting requirements under 40 CFR 122.41(l) and per 40 CFR 122.42(a), all existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

1. That any activity has occurred or will occur which would result in the discharge on a routine or frequent basis of any toxic pollutant which is not limited in the permit. If that discharge will exceed the highest of the "notification levels" specified in 40 CFR Sections 122.42(a)(1)(i) through 122.42(a)(1)(iv).

2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the "notification levels" specified in 122.42(a)(2)(i) through 122.42(a)(2)(iv).

17. TOXIC POLLUTANTS

The permittee shall comply with effluent standards or prohibitions established under Section 307 (a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement. Following establishment of such standards or prohibitions, the Director shall modify this permit and so notify the permittee.

18. PERMIT MODIFICATION OR REVOCATION

A. After notice and opportunity for a hearing, this permit may be modified or revoked, by the Ohio EPA, in whole or in part during its term for cause including, but not limited to, the following:

1. Violation of any terms or conditions of this permit;

2. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

3. Change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge.

B. Pursuant to rule 3745-33-04, Ohio Administrative Code, the permittee may at any time apply to the Ohio EPA for modification of any part of this permit. The filing of a request by the permittee for a permit modification or revocation does not stay any permit condition. The application for modification should be received by the appropriate Ohio EPA district office at least ninety days before the date on which it is desired that the modification become effective. The application shall be made only on forms approved by the Ohio EPA.

19. TRANSFER OF OWNERSHIP OR CONTROL

This permit may be transferred or assigned and a new owner or successor can be authorized to discharge from this facility, provided the following requirements are met:

A. The permittee shall notify the succeeding owner or successor of the existence of this permit by a letter, a copy of which shall be forwarded to the appropriate Ohio EPA district office. The copy of that letter will serve as the permittee's notice to the Director of the proposed transfer. The copy of that letter shall be received by the appropriate Ohio EPA district office sixty (60) days prior to the proposed date of transfer;

B. A written agreement containing a specific date for transfer of permit responsibility and coverage between the current and new permittee (including acknowledgement that the existing permittee is liable for violations up to that date, and that the new permittee is liable for violations from that date on) shall be submitted to the appropriate Ohio EPA district office within sixty days after receipt by the district office of the copy of the letter from the permittee to the succeeding owner;

At anytime during the sixty (60) day period between notification of the proposed transfer and the effective date of the transfer, the Director may prevent the transfer if he concludes that such transfer will jeopardize compliance with the terms and conditions of the permit. If the Director does not prevent transfer, he will modify the permit to reflect the new owner.

20. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

21. SOLIDS DISPOSAL

Collected grit and screenings, and other solids other than sewage sludge, shall be disposed of in such a manner as to prevent entry of those wastes into waters of the state, and in accordance with all applicable laws and rules.

22. CONSTRUCTION AFFECTING NAVIGABLE WATERS

This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

23. CIVIL AND CRIMINAL LIABILITY

Except as exempted in the permit conditions on UNAUTHORIZED DISCHARGES or UPSETS, nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

24. STATE LAWS AND REGULATIONS

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Clean Water Act.

25. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

26. UPSET

The provisions of 40 CFR Section 122.41(n), relating to "Upset," are specifically incorporated herein by reference in their entirety. For definition of "upset," see Part III, Paragraph 1, DEFINITIONS.

27. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

28. SIGNATORY REQUIREMENTS

All applications submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR 122.22.

All reports submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR Section 122.22.

29. OTHER INFORMATION

A. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

B. ORC 6111.99 provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $25,000 per violation.

C. ORC 6111.99 states that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $25,000 per violation.

D. ORC 6111.99 provides that any person who violates Sections 6111.04, 6111.042, 6111.05, or division (A) of Section 6111.07 of the Revised Code shall be fined not more than $25,000 or imprisoned not more than one year, or both.

30. NEED TO HALT OR REDUCE ACTIVITY

40 CFR 122.41(c) states that it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with conditions of this permit.

31. APPLICABLE FEDERAL RULES

All references to 40 CFR in this permit mean the version of 40 CFR which is effective as of the effective date of this permit.

32. AVAILABILITY OF PUBLIC SEWERS

Not withstanding the issuance or non-issuance of an NPDES permit to a semi-public disposal system, whenever the sewage system of a publicly owned treatment works becomes available and accessible, the permittee operating any semi-public disposal system shall abandon the semi-public disposal system and connect it into the publicly owned treatment works.